

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

CARLSSON et al

Atty. Ref.: 3670-44

#21 Pre-Arr'tg  
and  
4/29/02

Serial No. to be assigned

Group: unknown

Filed: February 13, 2002

Examiner: unknown

For: POWER DETECTOR WITH INCREASED DETECTION RANGE

\* \* \* \* \*

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**PRELIMINARY AMENDMENT**

In order to place the above-identified application in better condition for examination, please amend the application as follows:

**IN THE CLAIMS**

Please amend claims 1-10 and 12-18 as follows:

1. {AMENDED} Device for use in the detection of the power that passes through an electronic device, comprising means for division of the power that enters the device into a first and a second branch, each branch having a predetermined proportion of the total input power with a predetermined phase difference between the signals that go into the branches, further comprising a first power detector for the first branch, a second power detector for the second branch, and means for summation of the power in the two branches, characterized in that the first and the second power detectors are calibrated for different sub-ranges of a dynamic range within which it is desired to carry out the power detection, and in that the means for summation can be controlled with regard to which branch and thereby to which power detector the sum of the power is diverted, and in that the device comprises, in at least one of its branches, means for said control of the summator.

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